

Product datasheet

anti-Proliferation Marker mouse monoclonal, IPO-38, purified

Short overview

Cat. No.	691701
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgM kappa
Clone	IPO-38
Immunogen	Spleen cells of a patient with hairy cell leukemia
Formulation	PBS with 0.02% sodium azide
UniprotID	P46013 (Human), E9PVX6 (Mouse), Q5RJM0 (Rat)
Synonym	Proliferation marker protein Ki-67, Antigen identified by monoclonal antibody Ki-67, Antigen KI-67, Antigen Ki67, MKI67
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	ELISA, IHC, IP, WB
Reactivity	Human, Mouse, Rat

Applications

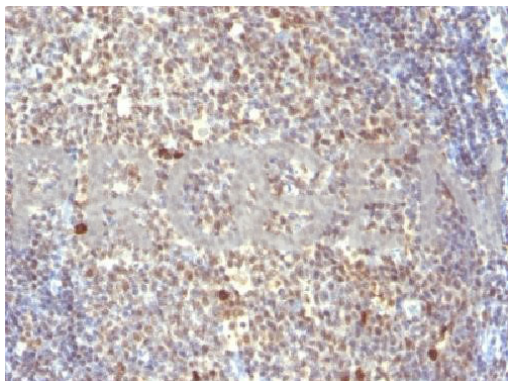
ELISA	Assay dependent
Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)
Immunohistochemistry (IHC) - paraffin	1:50-1:100 (1-2 µg/ml; microwave treatment in 10 mM citrate buffer pH 6.0 recommended)
Immunoprecipitation (IP)	Assay dependent
Western Blot (WB)	1:50-1:100 (1-2 µg/ml)

Background

IPO-38 reacts with a 12-14 kDa protein, as found in Western blots of Raji cells, and appears in the mitotic cycle earlier than Ki-67. Lymphocytes, induced to early G1 phase by 12h exposure to PHA, will become positive while non-stimulated lymphocytes remain negative. Mononuclear cells and granulocytes of healthy donors are negative, while various forms of leukemia and lymphoma including Hodgkins disease are positive for IPO-38, as are many solid tumors such as some breast, gastric and colonic cancers for which it may serve as tumor progression marker.

Positive control: Raji cells.

Product images



Human tonsil